

the first step in the process of creating a network is to determine the requirements for the network. This includes determining the number of users, the types of applications to be used, and the physical environment. Once the requirements are determined, the next step is to design the network. This involves selecting the appropriate hardware and software, and determining the network topology. The final step is to implement the network, which includes installing the hardware and software, and configuring the network. Once the network is implemented, it is important to monitor and maintain it to ensure that it is operating correctly and efficiently.

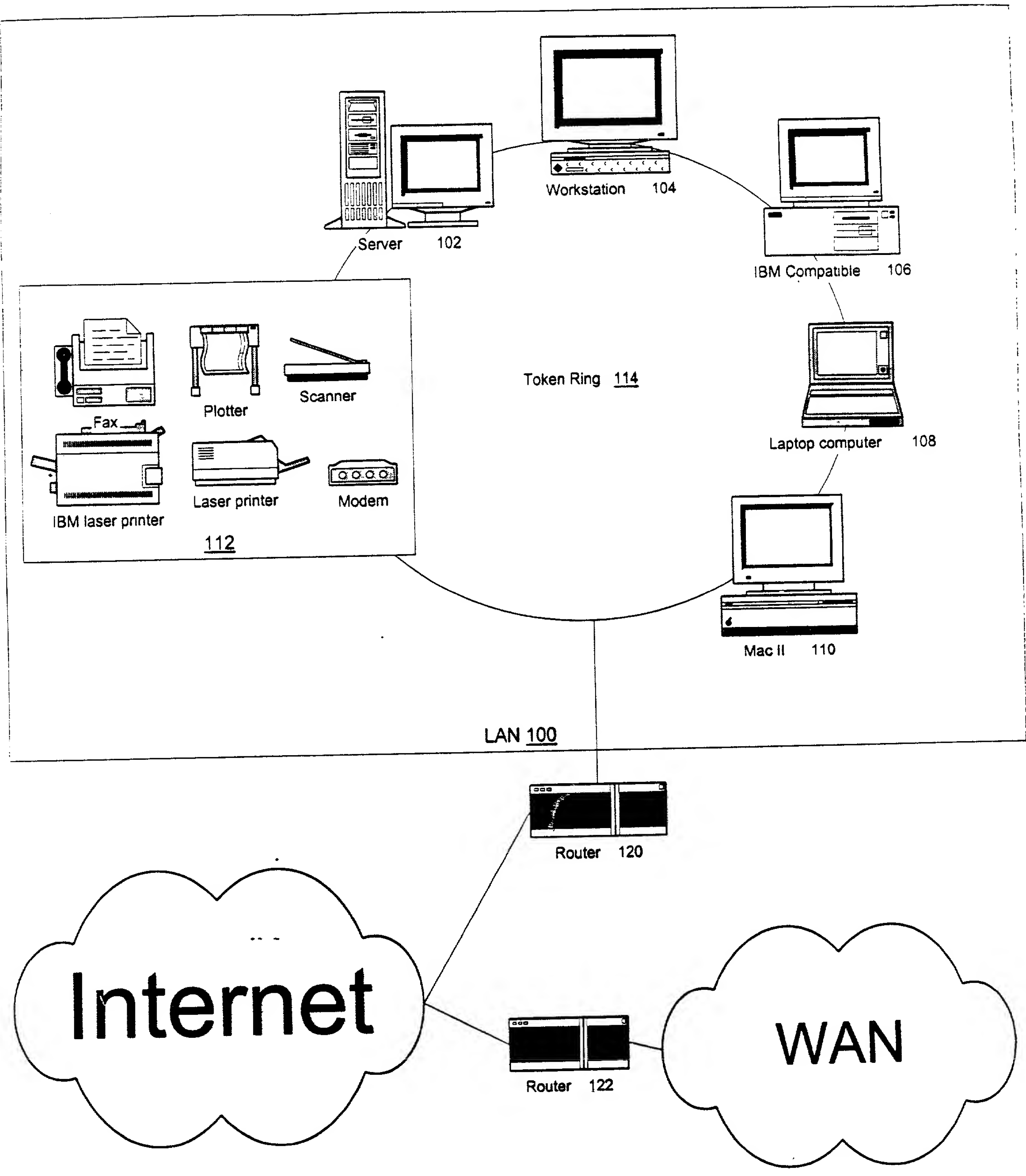


Fig. 1

Application Layer / Layer 5 <u>202</u>
Transport Layer / Layer 4 <u>204</u>
Internet Layer / Layer 3 <u>206</u>
Network Interface Layer / Layer 2 <u>208</u>
Physical Layer / Layer 1 <u>210</u>

TCP/IP Layering Model

Fig. 2

Fig. 3

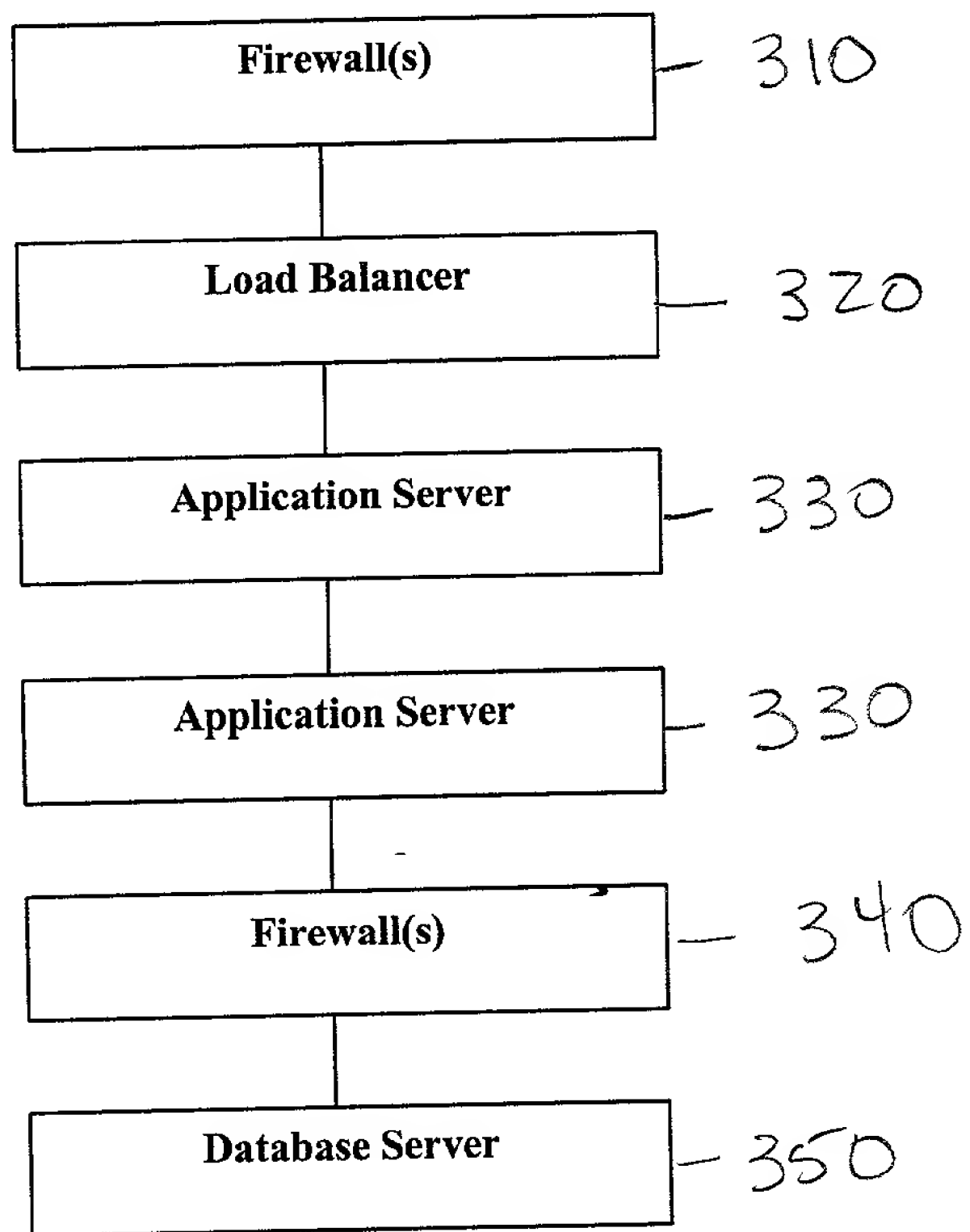


FIGURE 4

when you sign up you get all the data you need and all the data you need will flow from the data and then from the data

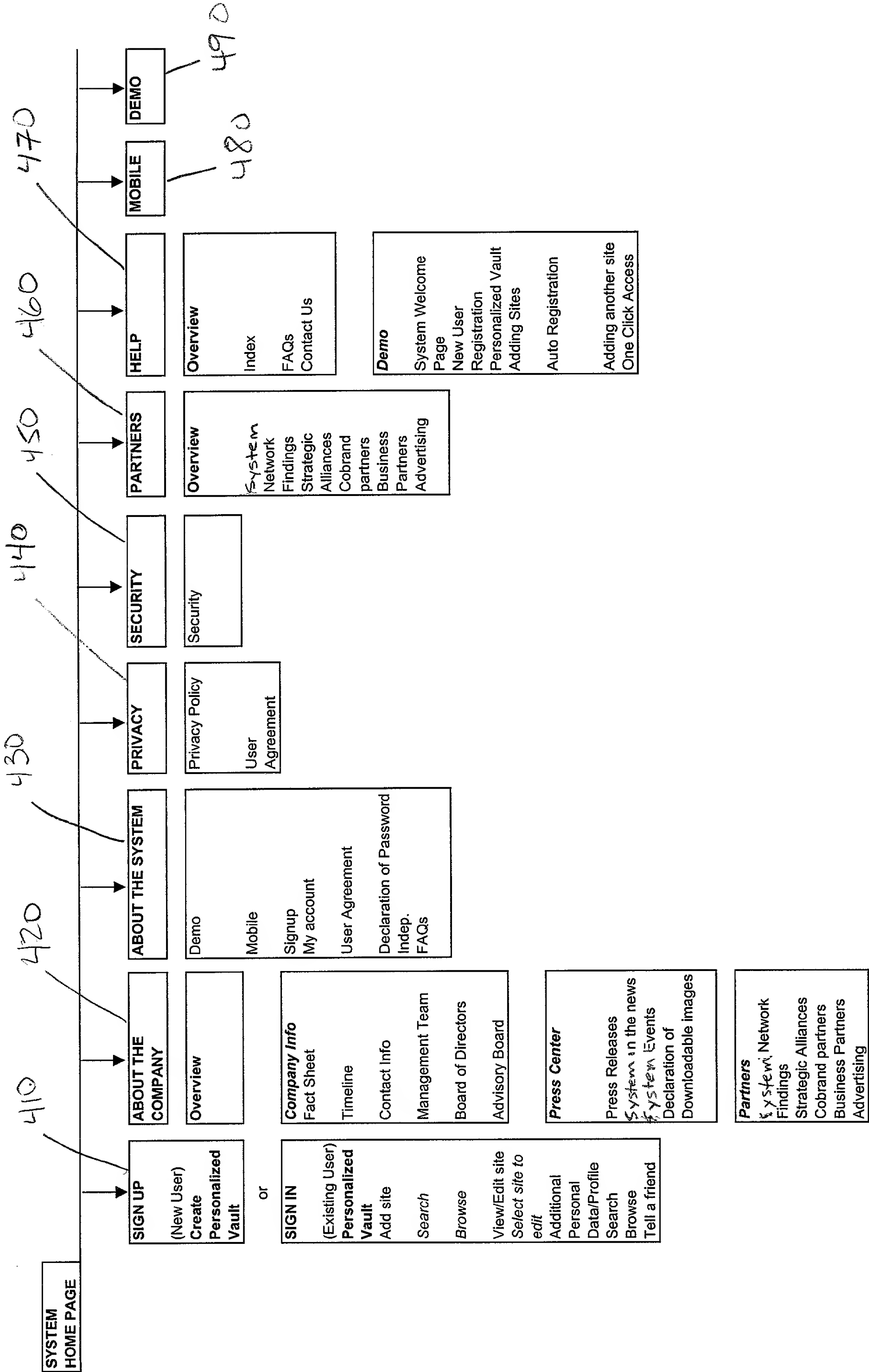


Fig. 5

The screenshot shows a web browser window displaying the essential.com website. The browser's address bar shows 'http://www.essential.com/'. The website has a navigation bar with links: HOME, update your profile, mobile, privacy, security, partners, demo, HELP, and LOGOUT. A banner at the top reads '\$75 Check to switch Internet Access and Long Distance'. The main content area is titled 'open your vault' and contains a sign-up form. The form includes fields for First name, Last name, and Email address. Below the email field, it states: 'Your email address will serve as your Master User Name. We may also need to contact you to ensure your account's security.' There is a section for creating a password with the following guidelines: 'Only you have access to your System account. Please choose a password to protect your account. Click here to read our policies about recovering lost usernames and passwords.' The password guidelines are: 'Must be 5-20 characters in length', 'Must contain at least one letter and one number', and 'Must not contain spaces or special characters'. There is a checkbox for 'Send me updates about the System services.' and a 'Done' button at the bottom left. A vertical sidebar on the right contains the text 'Our Pledge' and a small image of a padlock.

Address: <http://www.essential.com/>

\$75 Check to switch
Internet Access and Long Distance **essential.com**

HOME | update your profile | mobile | privacy | security | partners | demo | HELP | LOGOUT

open your vault

Unlock the power of the Internet now with a single User Name and Password.
~~the~~ **System** will allow you to have one click sign-on to all of the Web sites you like to visit. Sign up now!

First name:

Last name:

Email address: **510**

Your email address will serve as your Master User Name. We may also need to contact you to ensure your account's security.

Only you have access to your **System** account. Please choose a password to protect your account. [Click here to read our policies about recovering lost usernames and passwords.](#)

Password: **520**

Guidelines for creating your password:

- Must be 5-20 characters in length
- Must contain at least one letter and one number
- Must not contain spaces or special characters

Retype password: **530**

☒ Send me updates about ~~the~~ **System** services.

Our Pledge

"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."

Done **Internet**

Fig. 6

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com

Address: Go

Finders, Keepers

LinkExchange

MY VAULT update your profile mobile privacy security partners demo HELP LOGOUT

password recovery

At the system the security and privacy of your account are our highest priorities. In the unlikely event that you lose the password to your system account, we have developed a secure method to recover your data.

If you chose to enable Password Recovery, and you lose your password, we will send you an email with the following information:

- first character of password
- last character of password
- total length of password
- an optional hint that you have supplied

You also have the option to disable the password recovery system.

☒ Yes! Turn on the password recovery capability for my account. - 620

If you would like to set an optional hint for your account which will be sent to your email address if you lose your password, please enter it below.

Optional hint: - 630

☐ No. Please do not enable password recovery for my account. - 640

I understand that if I lose my password, it will be impossible be able to recover any of the data that I store in Catavault.

[Click here to continue](#)

amazon.com

Amazon.com

Earth's biggest selection of books, music, and DVDs.

[add to your vault](#)

[visit site](#)

Internet

Fig. 7

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com

Address <http://home.2add.net> Go

Gadget Universe [Click Here](#)

LinkExchange

MY VAULT update your profile mobile privacy security partners demo HELP LOGOUT

[home](#) [add site](#)

do you have an account with about.com?

yes

If you remember your sign-in information for **About.com**, please enter it in the fields below, and it will be stored permanently in your vault.

Username

Password

Repeat Password

If you don't have your sign-in information, try visiting [About.com](#) to recover this information.

[Visit site](#)

[Cancel](#)

no

Let register you now!

met® are

Done Internet

710

720

730

Fig. 8A

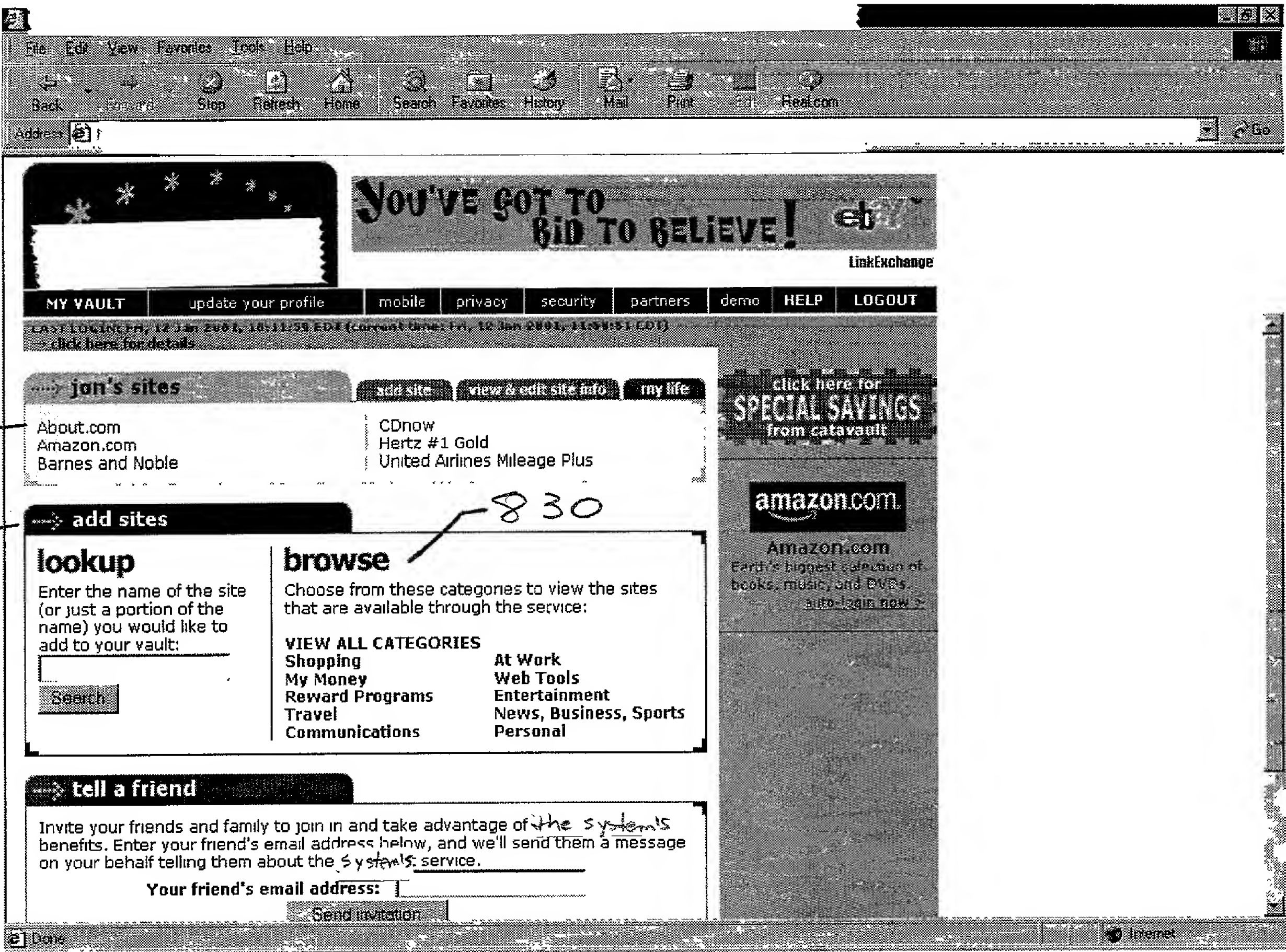


Fig. 8B

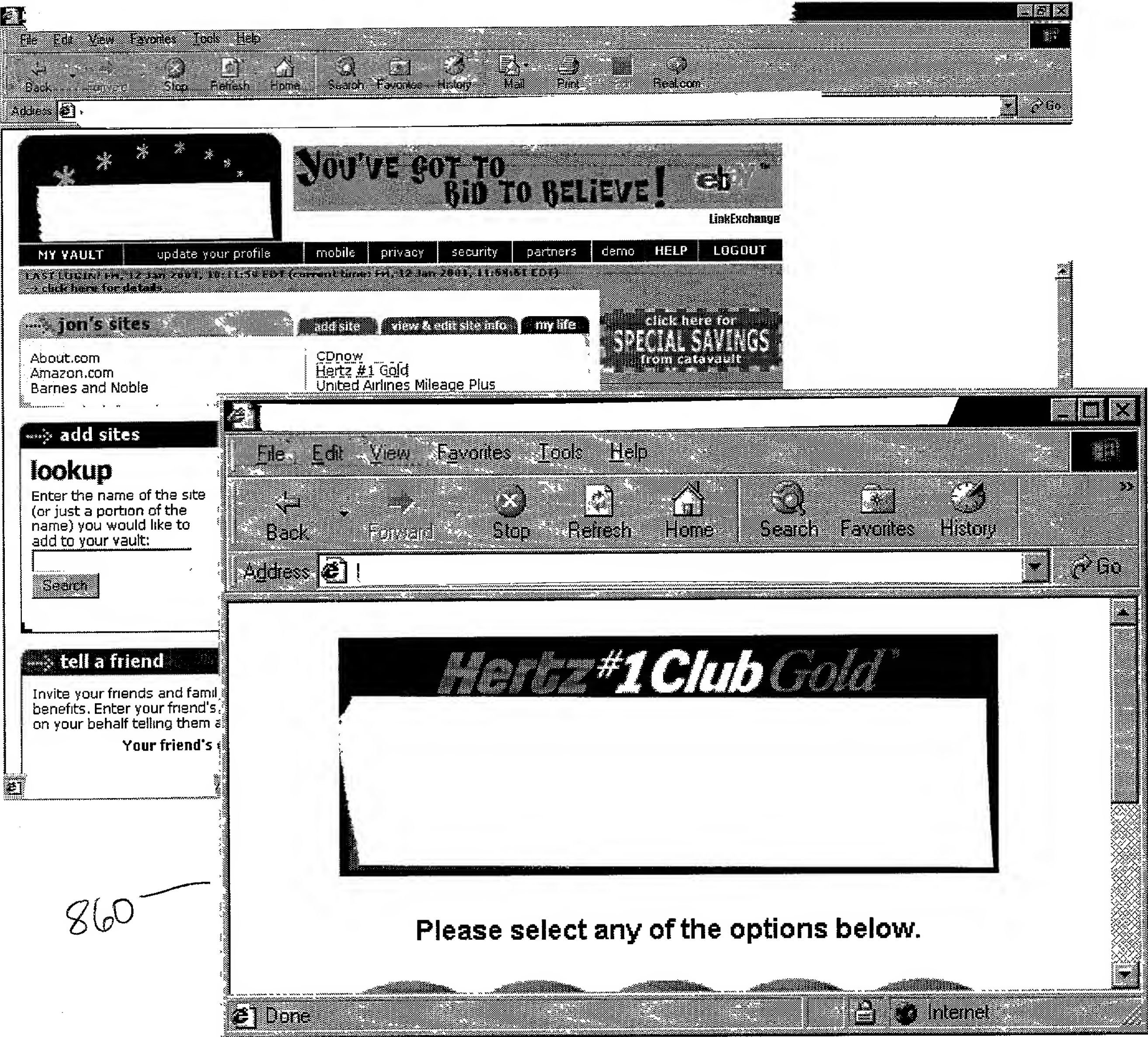


Figure 8C

Figure 8C is a screenshot of a web browser window displaying the Travelocity.com login page. The browser's address bar shows the URL "http://www.travelocity.com". The page features a navigation bar with links for "Home", "Search", "Favorites", "History", "Mail", "Print", and "Edit". The main content area is titled "Login to Travelocity.com" and includes a "Welcome easySAB" message. A "Be a Guest" button is visible. The login form consists of three input fields: "Login name:", "Password:", and "My location:". Below these fields is a "Remember my login name" checkbox. A "Terms and Conditions" link is located at the bottom of the page. The browser's status bar at the bottom indicates "Done" and "Internet".

Figure 8C is a screenshot of a web browser window displaying the Travelocity.com login page. The browser's address bar shows the URL "http://www.travelocity.com". The page features a navigation bar with links for "Home", "Search", "Favorites", "History", "Mail", "Print", and "Edit". The main content area is titled "Login to Travelocity.com" and includes a "Welcome easySAB" message. A "Be a Guest" button is visible. The login form consists of three input fields: "Login name:", "Password:", and "My location:". Below these fields is a "Remember my login name" checkbox. A "Terms and Conditions" link is located at the bottom of the page. The browser's status bar at the bottom indicates "Done" and "Internet".

Fig. 9A

910

YOU'VE GOT TO BID TO BELIEVE! eb

LinkExchange

MY VAULT | update your profile | mobile | privacy | security | partners | demo | HELP | LOGOUT

home | auto registration

profile update

Unfortunately we cannot automatically register you for About.com yet because some information is missing from your master profile. Please enter the necessary information below, and this information will automatically be stored in your master profile. (Remember that the system will never reveal your personal information without your explicit approval.)

Birth month


Birth year

Birth day

Gender

Our Pledge

"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."



Done Internet

Fig. 9B

The screenshot shows a web browser window with the title bar "File Edit View Favorites Tools Help". The address bar contains "http://www.llbean.com". The main content area features a banner for "SHOP L.L.BEAN ON-LINE" with a "click here" link. Below the banner is a navigation bar with links: MY VAULT, update your profile, mobile, privacy, security, partners, demo, HELP, and LOGOUT. The "user agreement" form is displayed, asking for confirmation to auto-register. The form includes fields for First Name, Last Name, Email Address, Birth Month, Birth Day, Birth Year, Gender, and Zip Code. There are "Auto-register now" and "Cancel" buttons. To the right of the form is a section titled "Our Pledge" with a text box stating: "We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission." Below this text is a small icon of a padlock. The browser's status bar at the bottom shows "Done" and "Internet".

920

File Edit View Favorites Tools Help

http://www.llbean.com

Back Forward Stop Refresh Home Search Favorites History Mail Print Real.com

Address

SHOP L.L.BEAN ON-LINE *click here*

MY VAULT | update your profile | mobile | privacy | security | partners | demo | HELP | LOGOUT

home auto-registration

user agreement

In conformance with the system's privacy policy, before we auto-register you for About.com, we would like to show you which information we will be sending to About.com and allow you to confirm your decision to transfer this data:

First Name _____

Last Name _____

Email Address _____

Birth Month _____

Birth Day _____

Birth Year _____

Gender _____

Zip Code _____

Auto-register now

Cancel

Our Pledge

"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."

Internet

Fig. 9C

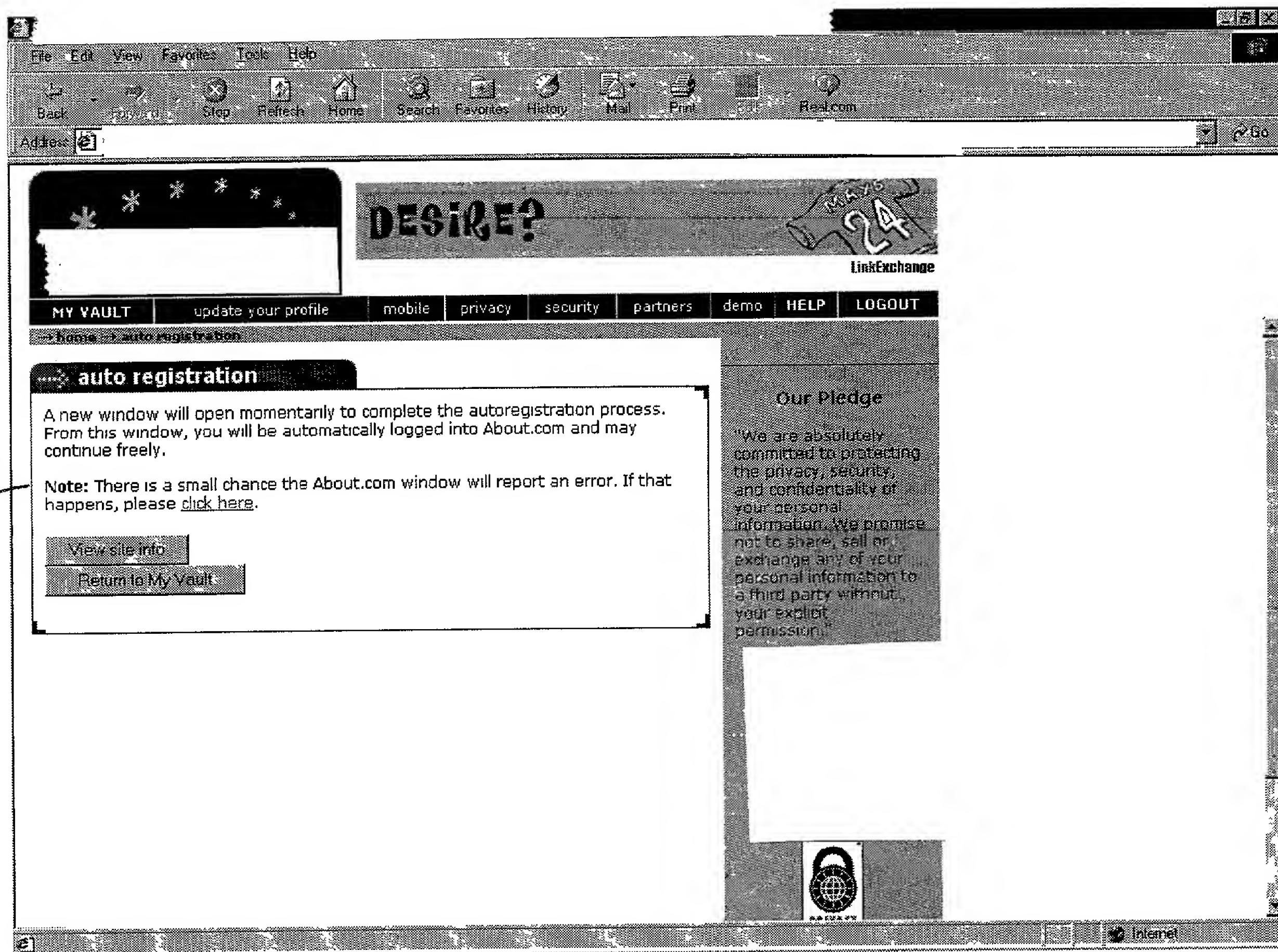
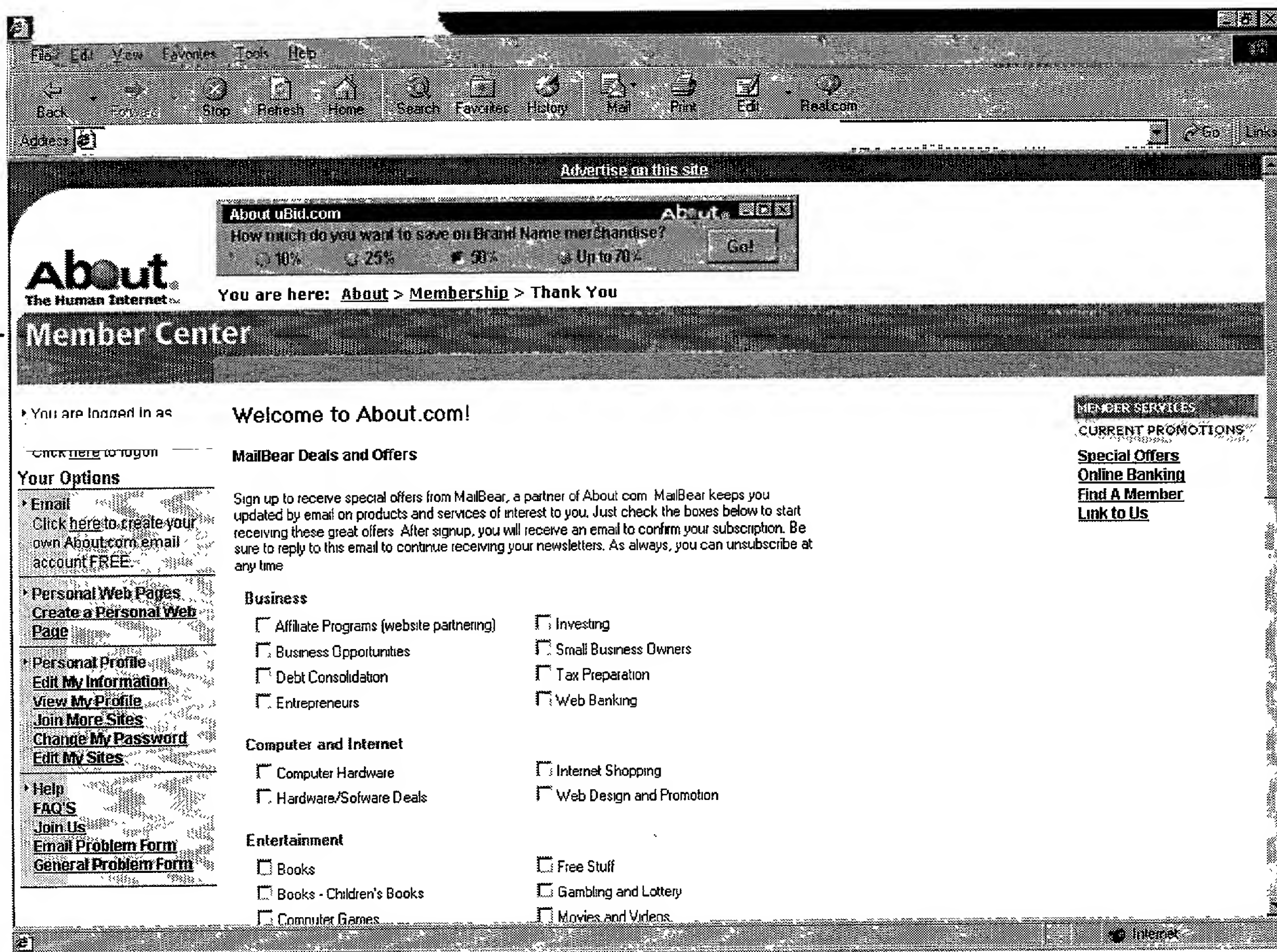


Fig. 9D



AvantGo
CDNow
Data.com
Epinions.com
Evite
Foodline
Giftcertificates.com
GroupVine
Old Navy
OpenTable
StreamSearch
Yahoo Mail

1. "The first thing I noticed when I stepped out of the car was the cold, crisp air. It felt like a fresh blanket after a long, hot summer. The sun was just starting to rise, painting the sky in soft, golden hues. The world around me seemed to be waking up, with birds chirping and the distant hum of traffic. I took a deep breath, savoring the moment, and then I saw her. She was standing there, looking up at the sky with a look of awe and wonder. Her eyes were wide open, and her mouth was slightly agape. I knew then that this was a special moment, one that I would never forget. I walked towards her, and as I did, I felt a sense of peace and tranquility wash over me. It was as if all the worries and stresses of the world had been left behind, and I was finally at home. I reached out to her, and she took my hand. We stood there for a moment, looking at each other and smiling. It was in that moment that I knew I had found what I was looking for. I had found love, and I had found home."

10-6-11

10-6-11

Fig 11

